

Economic and Community Development with Broadband Telecommunications

November 16, 2007



Department of Housing and
Community Development

Virginia's Community Telecommunications Planning Initiative

Objectives

- Primary
 - Sustainable and Competitive Communities
- Secondary
 - Facilitate Universal High Speed Access

Sustainable Community

All Components Present

- Healthcare
- Education
- Community Serving Businesses
- Quality Jobs

Competitive Community

Excellent Quality of Life

- Attractive
- Sense of Place
- Hospitable / Progressive
- Cultural Amenities
- Entertainment

Competitive Community

Connected

- Level Playing Field with Urban Areas
- Highest Speed of Connectivity
- Affordable/Competitive Rates
- Multiple Providers/All Services

21st Century Economic Development Reality

> 80% Entrepreneurial

< 20% Industrial

Expectations at the End of the Entire Process

- Consideration of installing a community-owned open access network
 - Available to all service providers
 - Allows maximum competition (multiple providers for multiple services)
 - Based on service delivery instead of duplicative infrastructure
- Plan required for implementation funding

Requirements for Success

- Technology neutral approach
- Community will consider economic benefits of installing fiber
 - Effect on competitive recruitment of businesses
 - Ability to utilize future applications

The first step is the last mile

Plans Underway

- Previously Completed
 - Blackstone
 - Halifax
 - Chase City
 - South Boston
 - South Hill
 - Eastern Shore
 - Accomack County – Onley, Onancock, Accomac
 - Exmore / Nassawaddox
 - Wallops / Chincoteague

Plans Underway

- In Progress

- Page County
- Prince George County
- Grayson County
- Charlotte County
- Nelson County
- Pennington Gap
- Surry County
- Carroll / Grayson / Galax
- Danville
- Greenville / Emporia
- Alleghany / Covington
- Rockbridge/ Buena Vista / Lexington
- Madison
- Pound
- Smyth County
- Northern Neck / Middle Peninsula
- Tazewell (Town)
- Rappahannock

Community Telecommunications Plan

- Two Phases
- Community Telecom Consultant
- Conducted by Management Team

Management Team

- Public schools
- Higher education institutions
- Workforce development
- Health care
- Small business/entrepreneur
- Local telephone and internet service providers
- Professional (legal, engineering, accounting)
- Police department and emergency services
- Service sector (banking, insurance)
- Local government
- Economic development professional
- Industry/manufacturing
- Retail/commercial business
- *Telecommunications expert*

Phase 1 Plan Components

- Asset Inventory/Needs Assessment
- Identifying and Aggregating Demand
- Community Education and Training

Commitment Point

Phase 2 Plan Components

- Infrastructure
- Network Organization and Operation
- Funding Strategies
- Marketing the Network